



City of Gulfport, Mississippi
Job Description

Traffic Signal Technician Level I

(TST1, TST2, TST3)

Department: 315 - Traffic

EEO Class: Technical

Date Revised: 8/1/ 2016

FLSA Status: Non-Exempt

Date Originally Approved:
1 30 2009

Position Overview

The Traffic Signal Technician Level I performs skilled and semi-skilled work in the installation, maintenance and repair of signalized intersections, intelligent transportation systems, and street lighting equipment in the Field Service division of the Public Works department.

Essential Job Functions

Essential duties and functions, pursuant to the Americans with Disabilities Act, May include the following. Other related duties may be assigned.

- Performs the construction and maintenance of the City's traffic signals and street lights by installing underground conduit; constructing foundations; and installing poles, mast arms and traffic signal equipment.
- Installs electrical conductors and makes electrical connections.
- Performs routine maintenance by changing bulbs, cleaning lenses and reflectors, and inspecting components; responds to trouble calls and troubleshoots traffic signal control systems; fabricates and installs electrical services, installs vehicle and pedestrian detection systems.
- Paints traffic control hardware; checks light output and alignment of signal heads; may revamp or modernize existing intersections by installing new equipment while existing signals are still in operation.
- Operates jackhammers, lift trucks, concrete saws, hoists, cranes, auger truck and bucket truck.
- Works effectively with City staff and citizens.

Knowledge, Skills and Abilities

Must possess required knowledge, skills, abilities and experience and be able to explain and demonstrate, with or without reasonable accommodations, that the essential functions of the job can be performed.

- Considerable knowledge of the principles of electrical, electro-mechanical and electronics work as related to the operation, maintenance and repair of traffic signals or similar devices.
- Ability to diagnose and repair malfunctions in traffic signals and related appurtenances.
- Ability to read and interpret typical wiring diagrams for traffic signals and related appurtenances.

- Ability to work from moderate heights and to work outdoors for extended periods, occasionally under adverse weather conditions.
- Ability to secure the applicable vehicle operator's license.
- Skill in the use and care of the tools, equipment and materials employed in the work.
- Knowledge of hazards and safety precautions associated with electricity.
- Knowledge of microprocessor based electronic equipment
- Performs related work as required.

Education and Experience

A High School Diploma or GED required. Vocational school certificate and experience may be considered. Two years construction experience and at least three years' experience as a Traffic Signal Technician Level I in the installation and repair of traffic signals, or similar electrical equipment.

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Required Licenses or Certificates

- Individuals in this classification must possess a valid Class "B" Commercial Driver's License (CDL) with air brake endorsement with no major driving citations within the past 39 months at the time of hire or promotion date.
- As a condition of continued employment, an individual in this classification must maintain a valid CDL with appropriate endorsements and is subject to random, unannounced drug and alcohol testing to comply with the Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) regulations 49 Code of Federal Regulations (CFR) Part 382.
- Individuals in this classification must have I.M.S.A. Traffic Signal Technician Level III Certification.
- Other pertinent licenses and/or certifications may be required of some positions depending on Department/Division assignment.

Physical Demands and Working Conditions

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical requirements include occasional lifting/carrying of 50+ pounds; visual acuity, speech and hearing; hand and eye coordination and manual dexterity necessary to operate equipment. Subject to sitting, standing, reaching, walking, twisting and kneeling to perform the essential functions. Working conditions are both indoors and outdoors in all weather conditions.